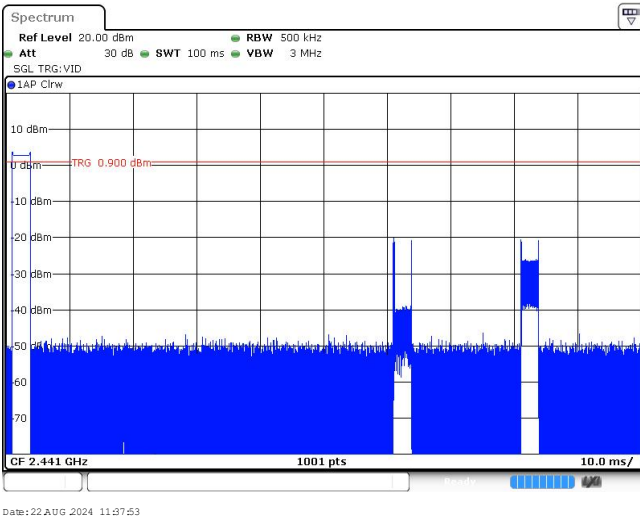
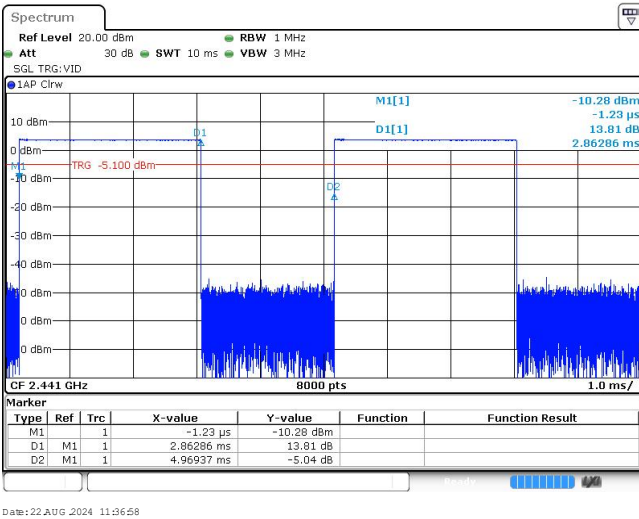


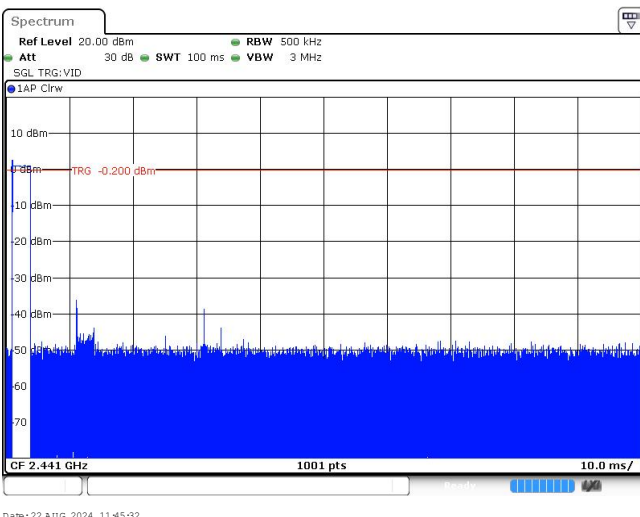
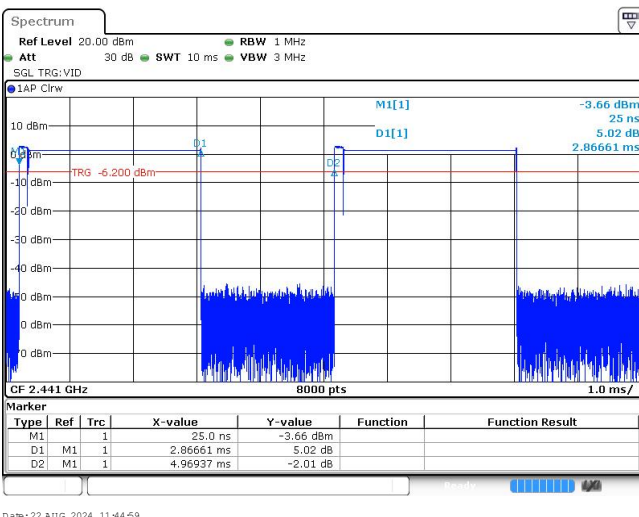
GFSK



Ton time for single burst

Burst Quantity

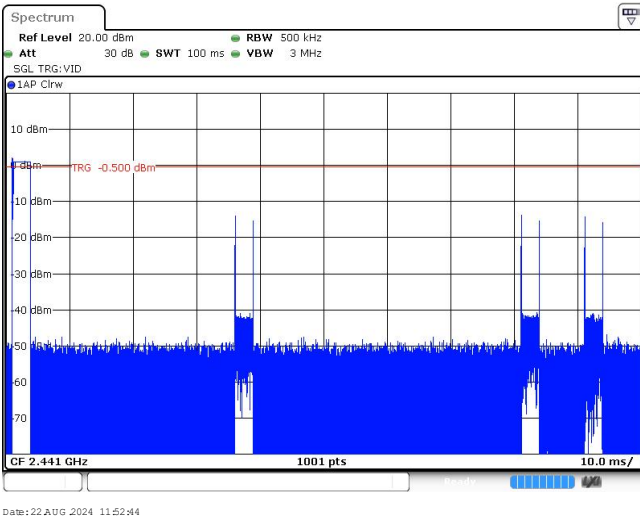
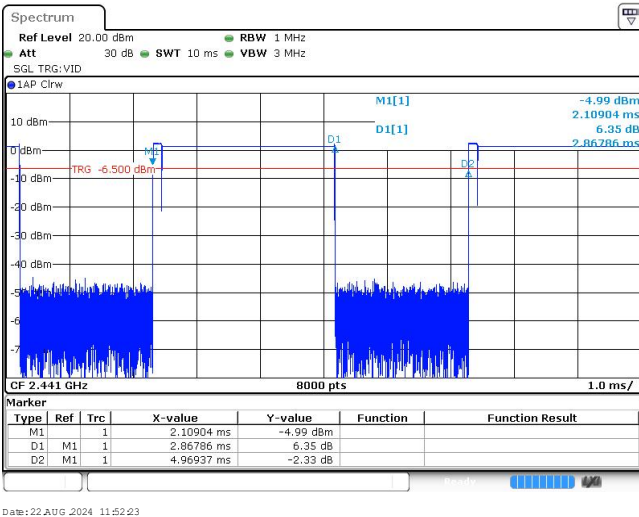
$\pi/4$ DQPSK



Ton time for single burst

Burst Quantity

8DPSK



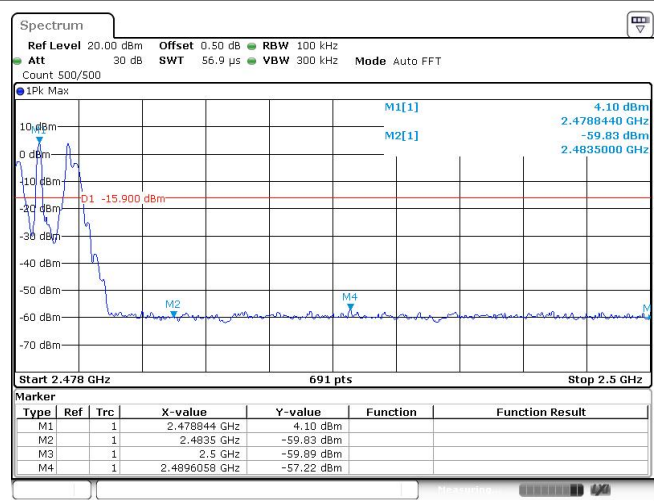
Ton time for single burst

Burst Quantity

Appendix H: Band edge and Spurious Emissions (conducted)

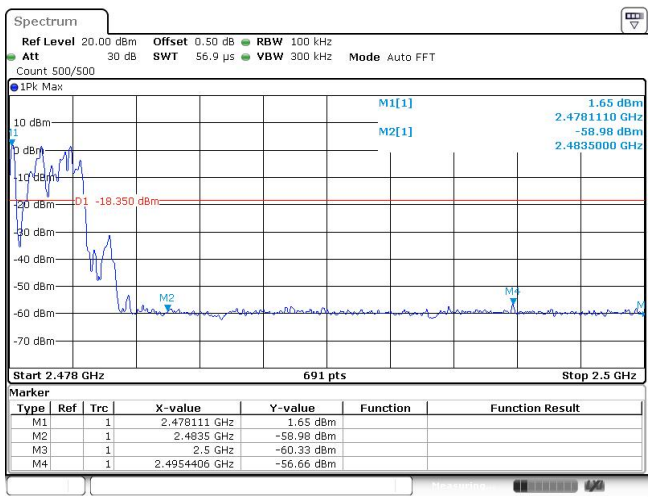
Test Item:	Band edge	Modulation type:	GFSK																																										
CH00 No hopping mode	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1Pk Max M1[1] 3.56 dBm 2.402180 GHz M2[1] -53.67 dBm 2.400000 GHz D1 -16.440 dBm Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><thead><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr></thead><tbody><tr><td>M1</td><td>1</td><td></td><td>2.40218 GHz</td><td>3.56 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-53.67 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-55.60 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-54.19 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.396601 GHz</td><td>-52.57 dBm</td><td></td><td></td></tr></tbody></table> Date: 22 AUG 2024 11:32:26			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40218 GHz	3.56 dBm			M2	1		2.4 GHz	-53.67 dBm			M3	1		2.39 GHz	-55.60 dBm			M4	1		2.31 GHz	-54.19 dBm			M5	1		2.396601 GHz	-52.57 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.40218 GHz	3.56 dBm																																									
M2	1		2.4 GHz	-53.67 dBm																																									
M3	1		2.39 GHz	-55.60 dBm																																									
M4	1		2.31 GHz	-54.19 dBm																																									
M5	1		2.396601 GHz	-52.57 dBm																																									
CH00 Hopping mode	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1Pk Max M1[1] 3.29 dBm 2.403830 GHz M2[1] -55.76 dBm 2.400000 GHz D1 -16.710 dBm Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><thead><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr></thead><tbody><tr><td>M1</td><td>1</td><td></td><td>2.40383 GHz</td><td>3.29 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-55.76 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-55.72 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-55.18 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.388341 GHz</td><td>-52.96 dBm</td><td></td><td></td></tr></tbody></table> Date: 22 AUG 2024 11:56:58			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40383 GHz	3.29 dBm			M2	1		2.4 GHz	-55.76 dBm			M3	1		2.39 GHz	-55.72 dBm			M4	1		2.31 GHz	-55.18 dBm			M5	1		2.388341 GHz	-52.96 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.40383 GHz	3.29 dBm																																									
M2	1		2.4 GHz	-55.76 dBm																																									
M3	1		2.39 GHz	-55.72 dBm																																									
M4	1		2.31 GHz	-55.18 dBm																																									
M5	1		2.388341 GHz	-52.96 dBm																																									
CH78 No hopping mode	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 56.9 μs VBW 300 kHz Mode Auto FFT Count 300/300 1Pk Max M1[1] 3.41 dBm 2.4798310 GHz M2[1] -57.80 dBm 2.4835000 GHz D1 -16.590 dBm Start 2.478 GHz 691 pts Stop 2.5 GHz Marker <table><thead><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr></thead><tbody><tr><td>M1</td><td>1</td><td></td><td>2.479831 GHz</td><td>3.41 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-57.80 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-59.92 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.4902754 GHz</td><td>-57.49 dBm</td><td></td><td></td></tr></tbody></table> Date: 22 AUG 2024 11:40:08			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.479831 GHz	3.41 dBm			M2	1		2.4835 GHz	-57.80 dBm			M3	1		2.5 GHz	-59.92 dBm			M4	1		2.4902754 GHz	-57.49 dBm									
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.479831 GHz	3.41 dBm																																									
M2	1		2.4835 GHz	-57.80 dBm																																									
M3	1		2.5 GHz	-59.92 dBm																																									
M4	1		2.4902754 GHz	-57.49 dBm																																									

CH78
Hopping mode



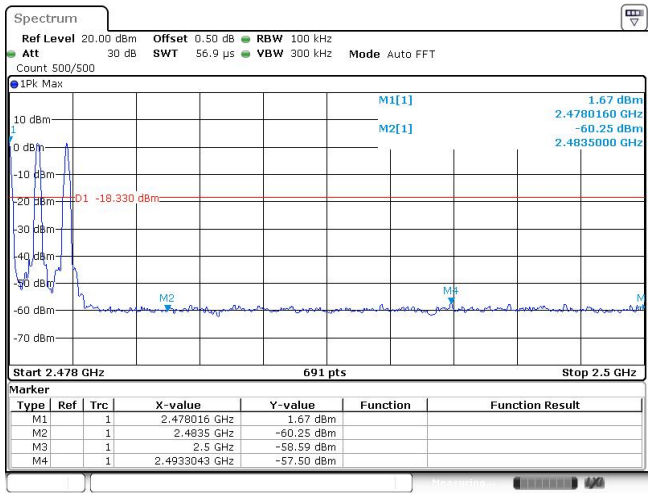
Test Item:	Band edge	Modulation type:	$\pi/4$ DQPSK																																										
CH00 No hopping mode	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] D1 -18.410 dBm M3 M4 M5 1.59 dBm 2.401910 GHz -52.62 dBm 2.400000 GHz Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td></td><td>1</td><td>2.40191 GHz</td><td>1.59 dBm</td><td></td><td></td></tr><tr><td>M2</td><td></td><td>1</td><td>2.4 GHz</td><td>-52.62 dBm</td><td></td><td></td></tr><tr><td>M3</td><td></td><td>1</td><td>2.39 GHz</td><td>-55.92 dBm</td><td></td><td></td></tr><tr><td>M4</td><td></td><td>1</td><td>2.31 GHz</td><td>-54.62 dBm</td><td></td><td></td></tr><tr><td>M5</td><td></td><td>1</td><td>2.399906 GHz</td><td>-52.96 dBm</td><td></td><td></td></tr></table> Date: 22 AUG 2024 11:42:02			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.40191 GHz	1.59 dBm			M2		1	2.4 GHz	-52.62 dBm			M3		1	2.39 GHz	-55.92 dBm			M4		1	2.31 GHz	-54.62 dBm			M5		1	2.399906 GHz	-52.96 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1		1	2.40191 GHz	1.59 dBm																																									
M2		1	2.4 GHz	-52.62 dBm																																									
M3		1	2.39 GHz	-55.92 dBm																																									
M4		1	2.31 GHz	-54.62 dBm																																									
M5		1	2.399906 GHz	-52.96 dBm																																									
CH00 Hopping mode	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] D1 -19.280 dBm M3 M4 M5 0.72 dBm 2.404110 GHz -55.28 dBm 2.400000 GHz Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td></td><td>1</td><td>2.40411 GHz</td><td>0.72 dBm</td><td></td><td></td></tr><tr><td>M2</td><td></td><td>1</td><td>2.4 GHz</td><td>-55.28 dBm</td><td></td><td></td></tr><tr><td>M3</td><td></td><td>1</td><td>2.39 GHz</td><td>-55.22 dBm</td><td></td><td></td></tr><tr><td>M4</td><td></td><td>1</td><td>2.31 GHz</td><td>-55.06 dBm</td><td></td><td></td></tr><tr><td>M5</td><td></td><td>1</td><td>2.387101 GHz</td><td>-52.53 dBm</td><td></td><td></td></tr></table> Date: 22 AUG 2024 13:27:07			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.40411 GHz	0.72 dBm			M2		1	2.4 GHz	-55.28 dBm			M3		1	2.39 GHz	-55.22 dBm			M4		1	2.31 GHz	-55.06 dBm			M5		1	2.387101 GHz	-52.53 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1		1	2.40411 GHz	0.72 dBm																																									
M2		1	2.4 GHz	-55.28 dBm																																									
M3		1	2.39 GHz	-55.22 dBm																																									
M4		1	2.31 GHz	-55.06 dBm																																									
M5		1	2.387101 GHz	-52.53 dBm																																									
CH78 No hopping mode	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 56.9 μs VBW 300 kHz Mode Auto FFT Count 500/500 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] D1 -17.760 dBm M2 M4 M5 2.24 dBm 2.4798630 GHz -59.38 dBm 2.4835000 GHz Start 2.478 GHz 691 pts Stop 2.5 GHz Marker <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td></td><td>1</td><td>2.479863 GHz</td><td>2.24 dBm</td><td></td><td></td></tr><tr><td>M2</td><td></td><td>1</td><td>2.4835 GHz</td><td>-59.38 dBm</td><td></td><td></td></tr><tr><td>M3</td><td></td><td>1</td><td>2.5 GHz</td><td>-58.83 dBm</td><td></td><td></td></tr><tr><td>M4</td><td></td><td>1</td><td>2.4937188 GHz</td><td>-57.36 dBm</td><td></td><td></td></tr></table> Date: 22 AUG 2024 11:47:46			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.479863 GHz	2.24 dBm			M2		1	2.4835 GHz	-59.38 dBm			M3		1	2.5 GHz	-58.83 dBm			M4		1	2.4937188 GHz	-57.36 dBm									
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1		1	2.479863 GHz	2.24 dBm																																									
M2		1	2.4835 GHz	-59.38 dBm																																									
M3		1	2.5 GHz	-58.83 dBm																																									
M4		1	2.4937188 GHz	-57.36 dBm																																									

CH78
Hopping mode

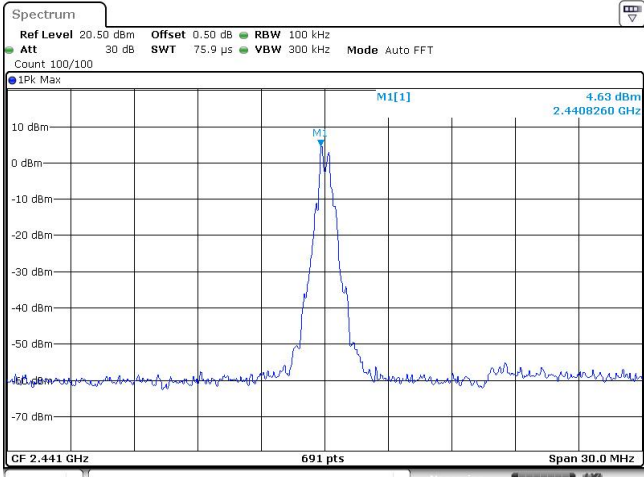
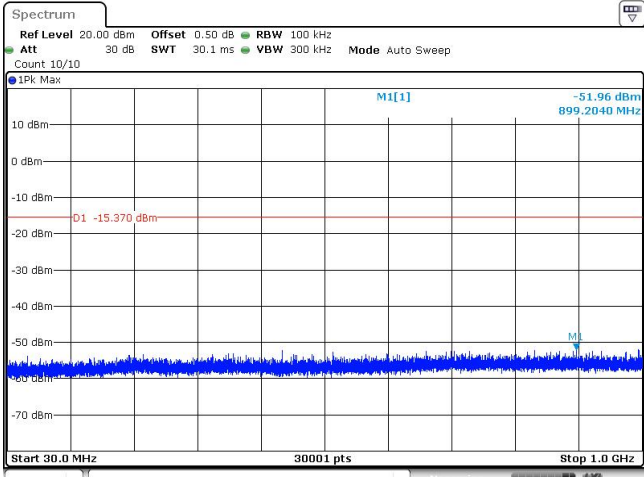
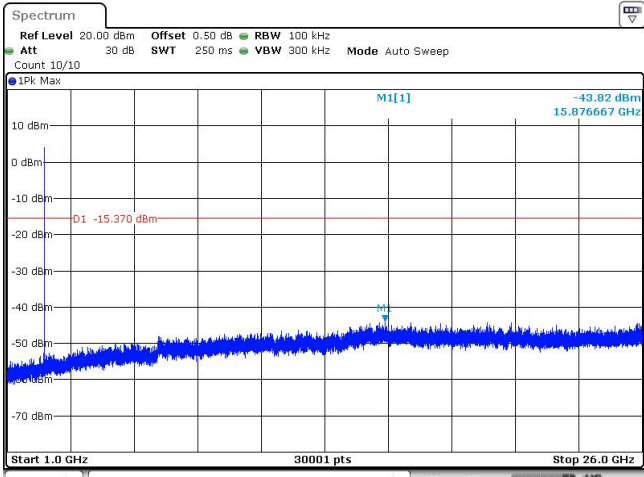


Test Item:	Band edge	Modulation type:	8DPSK																																										
CH00 No hopping mode	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 M5 2.32 dBm 2.402180 GHz -52.85 dBm 2.400000 GHz D1 -17.680 dBm Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.40218 GHz</td><td>2.32 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-52.85 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-54.97 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-55.66 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.365486 GHz</td><td>-53.42 dBm</td><td></td><td></td></tr></table> Date: 22 AUG 2024 11:49:35			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40218 GHz	2.32 dBm			M2	1		2.4 GHz	-52.85 dBm			M3	1		2.39 GHz	-54.97 dBm			M4	1		2.31 GHz	-55.66 dBm			M5	1		2.365486 GHz	-53.42 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.40218 GHz	2.32 dBm																																									
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CH00 Hopping mode	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 M5 0.69 dBm 2.404930 GHz -55.55 dBm 2.400000 GHz D1 -19.310 dBm Start 2.31 GHz 691 pts Stop 2.405 GHz Marker <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.40493 GHz</td><td>0.69 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-55.55 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-55.66 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-53.79 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.367138 GHz</td><td>-53.02 dBm</td><td></td><td></td></tr></table> Date: 22 AUG 2024 13:28:39			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40493 GHz	0.69 dBm			M2	1		2.4 GHz	-55.55 dBm			M3	1		2.39 GHz	-55.66 dBm			M4	1		2.31 GHz	-53.79 dBm			M5	1		2.367138 GHz	-53.02 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.40493 GHz	0.69 dBm																																									
M2	1		2.4 GHz	-55.55 dBm																																									
M3	1		2.39 GHz	-55.66 dBm																																									
M4	1		2.31 GHz	-53.79 dBm																																									
M5	1		2.367138 GHz	-53.02 dBm																																									
CH78 No hopping mode	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 56.9 μs VBW 300 kHz Mode Auto FFT Count 500/500 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] M2[1] M3 M4 M5 2.07 dBm 2.4801490 GHz -59.60 dBm 2.4835000 GHz D1 -17.930 dBm Start 2.478 GHz 691 pts Stop 2.5 GHz Marker <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.480149 GHz</td><td>2.07 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-59.60 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-59.14 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.4930812 GHz</td><td>-57.02 dBm</td><td></td><td></td></tr></table> Date: 22 AUG 2024 11:54:57			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.480149 GHz	2.07 dBm			M2	1		2.4835 GHz	-59.60 dBm			M3	1		2.5 GHz	-59.14 dBm			M4	1		2.4930812 GHz	-57.02 dBm									
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.480149 GHz	2.07 dBm																																									
M2	1		2.4835 GHz	-59.60 dBm																																									
M3	1		2.5 GHz	-59.14 dBm																																									
M4	1		2.4930812 GHz	-57.02 dBm																																									

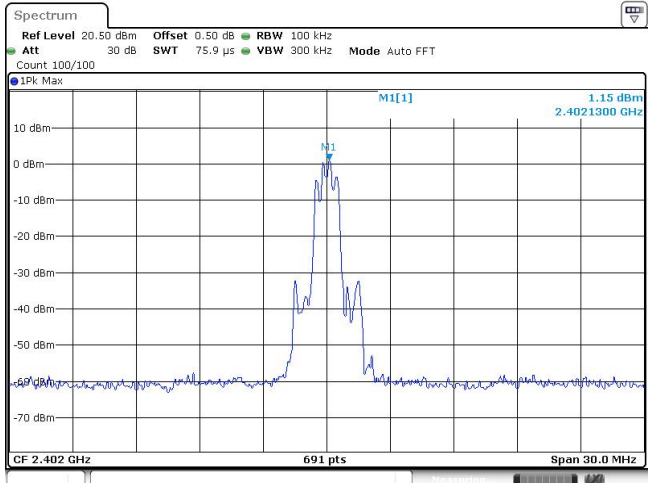
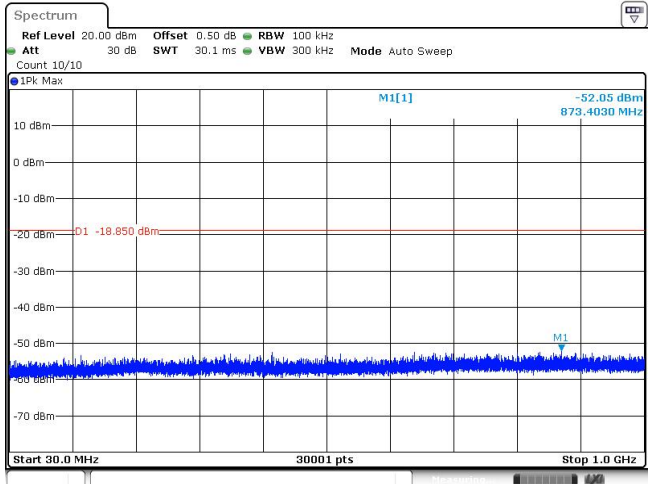
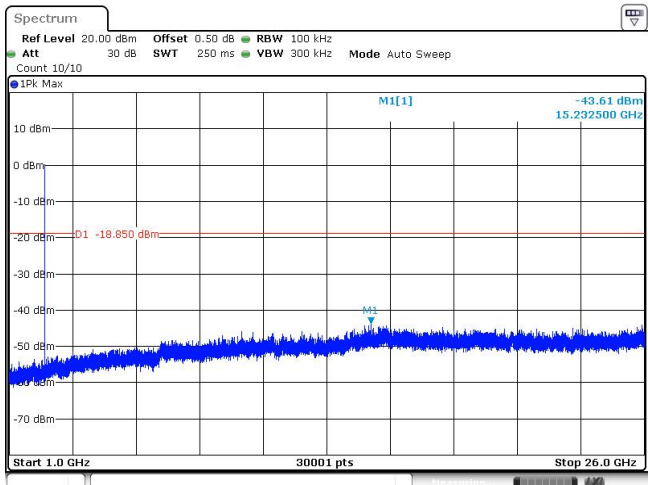
CH78
Hoppig mode

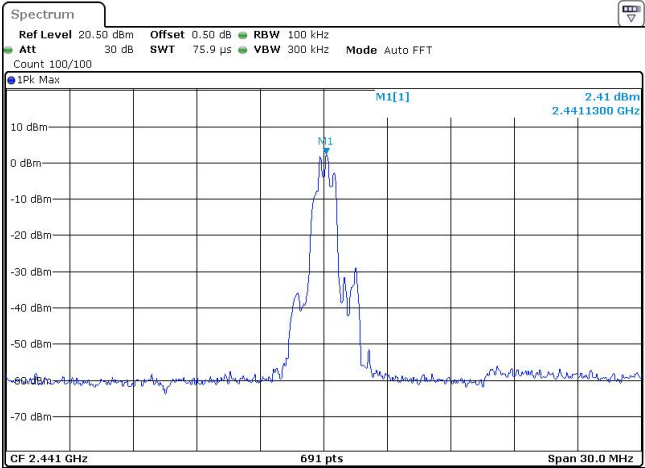
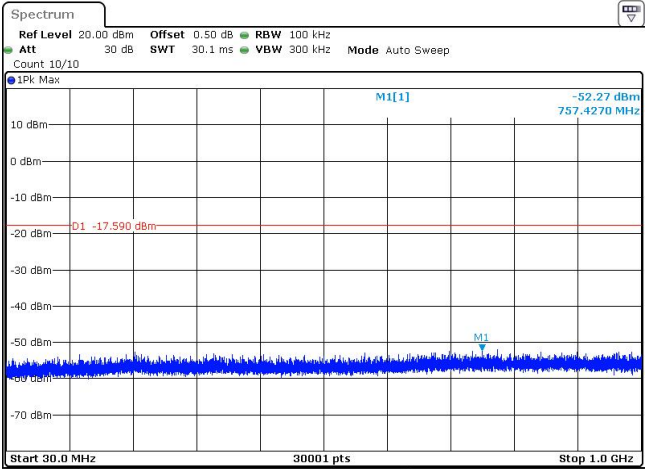
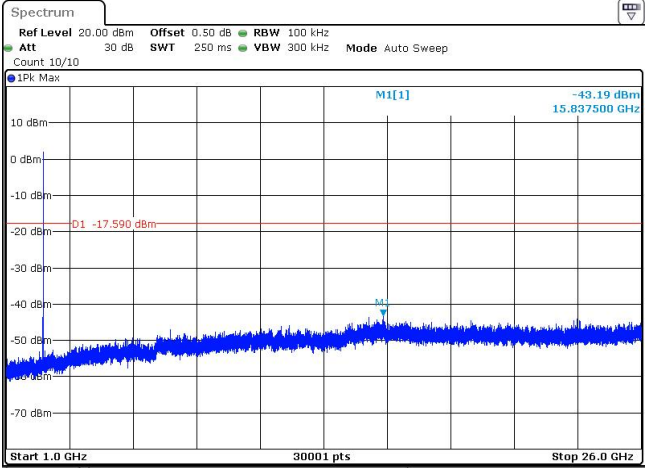


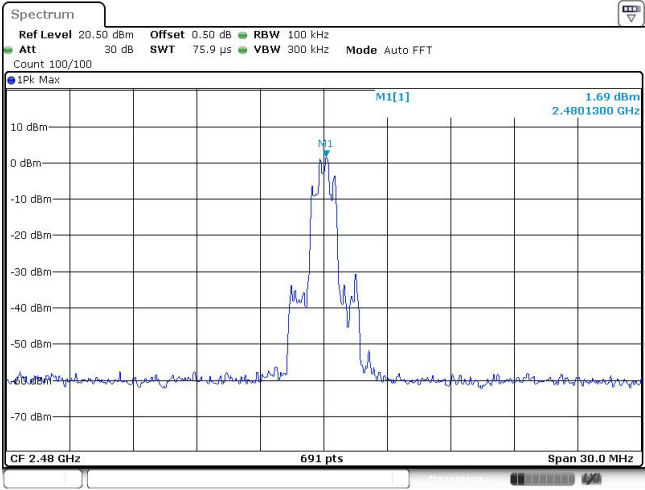
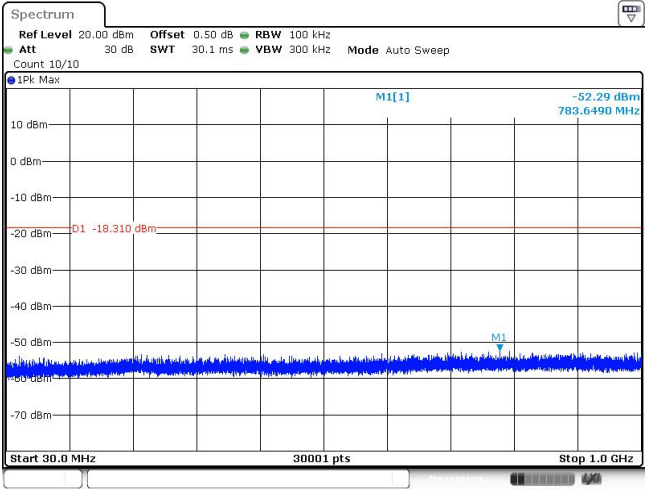
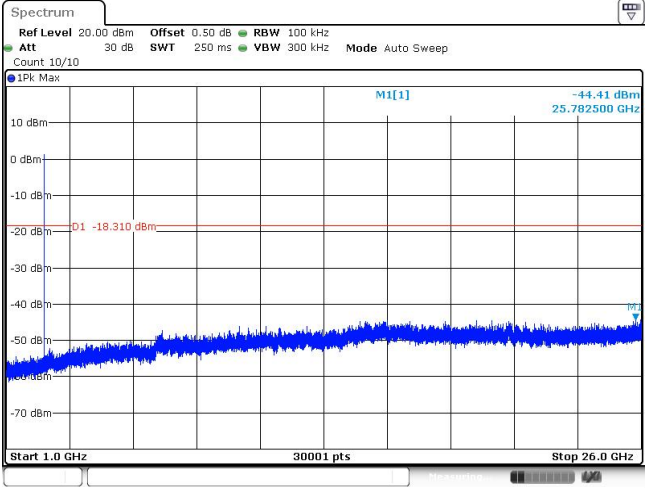
Test Item:	Spurious Emission	Modulation type:	GFSK
CH00 Reference level	Spectrum Ref Level 20.50 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 100/100 1Pk Max M1[1] 4.10 dBm 2.4018260 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.402 GHz 691 pts Span 30.0 MHz Date: 22.AUG 2024 11:32:34		
CH00 30MHz~1000MHz	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1Pk Max M1[1] -52.17 dBm 740.4850 MHz -15.900 dBm 01 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 22.AUG 2024 11:32:49		
CH00 1GHz~26GHz	Spectrum Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz Att 30 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1Pk Max M1[1] -44.51 dBm 16.360000 GHz -15.900 dBm 01 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 22.AUG 2024 11:33:04		

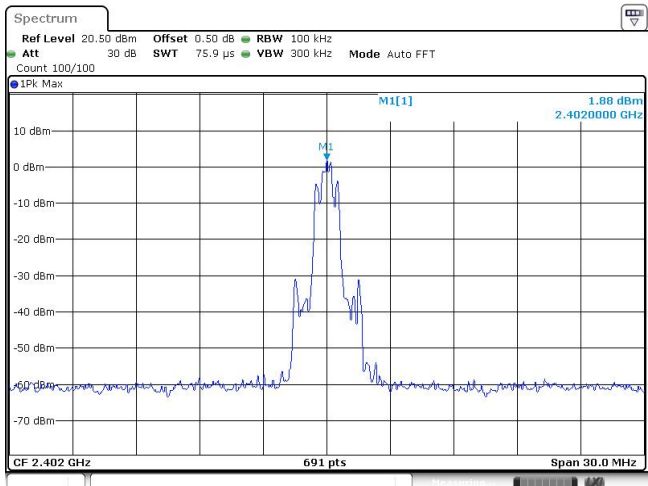
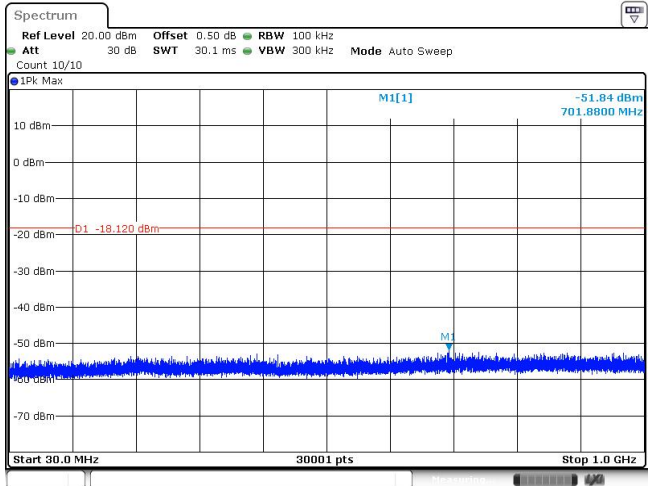
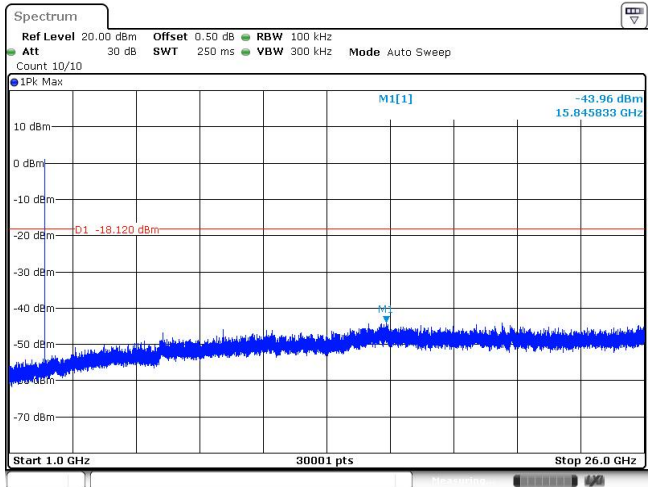
CH39 Reference level	 Date: 22 AUG 2024 11:38:21
CH39 30MHz~1000MHz	 Date: 22 AUG 2024 11:38:36
CH39 1GHz~26GHz	 Date: 22 AUG 2024 11:38:51

CH78 Reference level	Date: 22 AUG 2024 11:40:13
CH78 30MHz~1000MHz	Date: 22 AUG 2024 11:40:28
CH78 1GHz~26GHz	Date: 22 AUG 2024 11:40:44

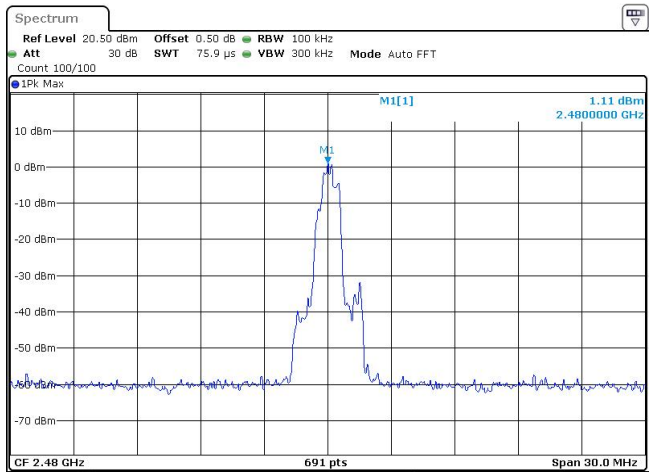
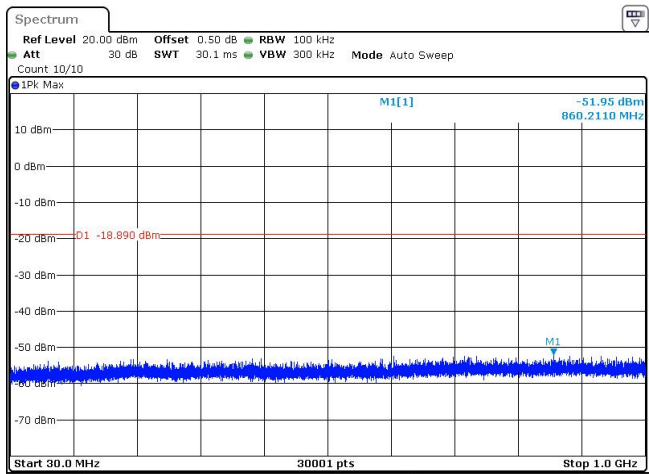
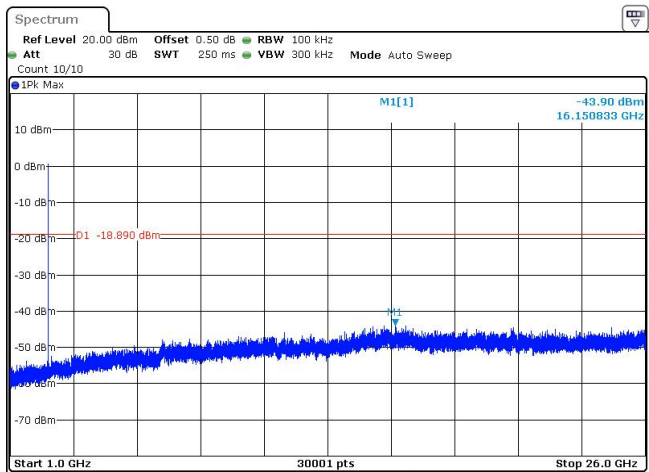
Test Item:	Spurious Emission	Modulation type:	$\pi/4$ DQPSK
CH00 Reference level	 Date: 22 AUG 2024 11:42:08		
CH00 30MHz~1000MHz	 Date: 22 AUG 2024 11:42:23		
CH00 1GHz~26GHz	 Date: 22 AUG 2024 11:42:38		

CH39 Reference level	
CH39 30MHz~1000MHz	
CH39 1GHz~26GHz	

CH78 Reference level	
CH78 30MHz~1000MHz	
CH78 1GHz~26GHz	

Test Item:	Spurious Emission	Modulation type:	8DPSK
CH00 Reference level			
CH00 30MHz~1000MHz			
CH00 1GHz~26GHz			

CH39 Reference level	Date:22 AUG 2024 11:53:10
CH39 30MHz~1000MHz	Date:22 AUG 2024 11:53:25
CH39 1GHz~26GHz	Date:22 AUG 2024 11:53:41

CH78 Reference level	 Date: 22 AUG 2024 11:55:03
CH78 30MHz~1000MHz	 Date: 22 AUG 2024 11:55:17
CH78 1GHz~26GHz	 Date: 22 AUG 2024 11:55:33

-----End of Report-----